ocket No.: 7720/FPS/MMCS/APC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2812

Application of

Alexander T. SCHWARM et al.

Serial No. 10/632,107

Filed: August 1, 2003 : Examiner:

For: METHOD, SYSTEM, AND MEDIUM FOR HANDLING MISREPRESENTATIVE METROLOGY DATA WITHIN AN ADVANCED PROCESS CONTROL SYSTEM

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Copies of any cited U.S. Patents and U.S. Patent Publications are not being submitted in accordance with 37 CFR 1.98(a)(2)(i).

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

In accordance with 37 C.F.R. § 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search had been made or that information cited is, or is considered to be, material to patentability as defined in 37 C.F.R.§ 1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of

Serial No. 10/632,107

publication indicated for an item is taken from the face of the item, and Applicant reserves the

right to prove that the date of publication is in fact different.

The references listed on Sheet 1 of the attached PTO-1449 Forms were cited in a

patentability investigation and/or a corresponding foreign or PCT application relating to the

above-referenced application. The remaining references are from potentially related patent

applications, and possibly other sources.

No fee is believed to be required; however, the Commissioner is authorized to charge any

deficiency in any fees pursuant to 37 CFR § 1.17 associated with this communication and to

credit any excess payment to Deposit Account No. 08-0219.

Respectfully submitted,

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 7720/FPS/MMCS/APC		SERIAL NO. 10/632,107			
	(2 2 0	2.15)		APPLICANT Alexander T.	SCHWARM	I et al.	
				FILING DATE August 1, 20	03	GROUP 2812	
			U.S. PATENT I	DOCUMENTS			
EXAMINER'S INITIALS	PATENT NO.	DATE		NAME	CLASS	SUBCLASS	FILING DATE
	3,205,485	09/07/65	Noltingk				10/21/60
	3,229,198	01/11/66	Libby				09/28/62
	3,767,900	10/23/73	Chao et al.				06/23/71
	3,920,965	11/18/75	Sohrwardy				03/04/74
	4,000,458	12/28/76	Miller et al.	•		 	08/21/75
ARRI J	4,207,520	06/10/80	Flora et al.				04/06/78
	4,209,744	06/24/80	Gerasimov et	al.			03/27/78
-	4,302,721	11/24/81	Urbanek et al				05/15/79
	4,368,510	01/11/83	Anderson				10/20/80
	4,609,870	09/02/86	Lale et al.				09/13/84
	4,616,308	10/07/86	Morshedi et a	ıl.	-		12/02/85
	4,663,703	05/05/87	Axelby et al.				10/02/85
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	4,750,141	06/07/88	Judell et al.				11/26/85
	4,755,753	07/05/88	Chern	**			07/23/86
,	4,757,259	07/12/88	Charpentier			······	11/05/86
	4,796,194	01/03/89	Atherton				08/20/86
	4,901,218	02/13/90	Cornwell				03/04/88
	4,938,600	07/03/90	Into				02/09/89
	4,967,381	10/30/90	Lane et al.				07/06/89
	5,089,970	02/18/92	Lee et al.				10/05/89
	5,108,570	04/28/92	Wang				03/30/90
·	5,208,765	05/04/93	Turnbull				07/20/90
	5,220,517	06/15/93	Sierk et al.				08/31/90
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	5,236,868	08/17/93	Nulman				04/20/90
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKE 7720/FPS/MM		SERIAL NO 10/632,10			
	`	,		APPLICANT Alexander	Γ. SCHWARN	∕I et al.	
				FILING DATE August 1, 20		GROUP 2812	-14-1
101			U.S. PATENT I	DOCUMENTS			
XAMINER'S	DATENTALO.				G1 + 0.0		FILING
INITIALS	. PATENT NO.	DATE	NG-1-1-1-1	NAME	CLASS	SUBCLASS	DATE
	5,270,222	12/14/93	Moslehi				12/31/90
	5,283,141	02/01/94	Yoon et al.				03/05/92
	5,295,242	03/15/94	Mashruwala	et al.			11/02/90
. <u>.</u>	5,309,221	05/03/94	Fischer et al.			 	12/31/91
	5,329,463	07/12/94	Sierk et al.			!	01/13/93
	5,338,630	08/16/94	Yoon et al.				11/18/93
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	5,398,336	03/14/95	Tantry et al.				06/16/93
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	5,497,316	03/05/96	Sierk et al.				04/04/95
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		SURE	ATTY. DOCKET I 7720/FPS/MMCS		SERIAL NO 10/632,10		
	(* 10	1.17)		APPLICANT Alexander T. S		l et al.	
				FILING DATE August 1, 2003	3	GROUP 2812	
			U.S. PATENT D	OCUMENTS			
EXAMINER'S INITIALS	PATENT NO.	DATE		NAME	CLASS	SUBCLASS	FILING DATE
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	5,553,195	09/03/96	Meijer				09/29/94
	5,586,039	12/17/96	Hirsch et al.				02/27/95
	5,599,423	02/04/97	Parker et al.				06/30/95
	5,602,492	02/11/97	Cresswell et al			-	04/28/94
	5,603,707	02/18/97	Trombetta et a	1.			11/28/95
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	5,629,216	05/13/97	Wijaranakula o	et al.			02/27/96
	5,642,296	06/24/97	Saxena	<u></u>			07/29/93
	5,646,870	07/08/97	Krivokapic et	al.			02/13/95
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	5,654,903	08/05/97	Reitman et al.				11/07/95
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· · · · ·	5,657,254	08/12/97	Sierk et al.	-	- 		04/15/96
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	5,665,199	09/09/97	Sahota et al.				06/23/95
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	5,674,787	10/07/97	Zhao et al.				01/16/96
	5,694,325	12/02/97	Fukuda et al.				11/22/95
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKE 7720/FPS/MM		SERIAL NO. 10/632,107			
	(110	2117)		APPLICANT Alexander T	. SCHWAR	M et al.	****
				FILING DATE August 1, 20	003	GROUP 2812	
			U.S. PATENT I	DOCUMENTS		5	
EXAMINER'S	D. A MEDIUM N. I.O.		T				FILING
INITIALS	PATENT NO.	DATE		NAME ———	CLASS	SUBCLASS	DATE
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	5,754,297	05/19/98	Nulman				04/14/97
	5,761,064	06/02/98	La et al.				10/06/95
	5,764,543	06/09/98	Kennedy				06/16/95
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	5,787,021	07/28/98	Samaha	11.00			12/18/95
	5,787,269	07/28/98	Hyodo				09/19/95
	5,808,303	09/15/98	Schlagheck e	t al.			01/29/97
	5,812,407	09/22/98	Sato et al.				08/12/97
···	5,823,854	10/20/98	Chen			·	05/28/96
	5,825,913	10/20/98	Rostami et al	· · · · · · · · · · · · · · · · · · ·			07/18/95
-	5,828,778	10/27/98	Hagi et al.				07/12/96
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	5,883,437	03/16/99	Maruyama et	al.			12/28/95
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	5,910,011	06/08/99	Cruse				05/12/97
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SERIAL NO. ATTY, DOCKET NO. INFORMATION DISCLOSURE 7720/FPS/MMCS/APC 10/632,107 CITATION IN AN APPLICATION (PTO-1449) APPLICANT Alexander T. SCHWARM et al. FILING DATE GROUP 2812 August 1, 2003 **U.S. PATENT DOCUMENTS EXAMINER'S** FILING PATENT NO. **INITIALS** DATE NAME **CLASS** SUBCLASS DATE 5,912,678 06/15/99 04/14/97 Saxena et al. 5,916,016 06/29/99 Bothra 10/23/97 07/13/99 Yi 5,923,553 10/05/96 5,926,690 07/20/99 Toprac et al. 05/28/97 5,930,138 07/27/99 Lin et al. 09/10/97 08/17/99 05/08/97 5,940,300 Ozaki 5,943,237 08/24/99 Van Boxem 10/17/97 5,960,185 09/28/99 06/24/96 Nguyen 5,960,214 09/28/99 12/04/96 Sharpe, Jr. et al. 5,961,369 10/05/99 Bartels et al. 06/04/98 5,963,881 10/05/99 Kahn et al. 10/20/97 5,978,751 11/02/99 Pence et al. 02/25/97 5,982,920 11/09/99 01/08/97 Tobin, Jr. et al. 6,002,989 12/14/99 04/01/97 Shiba et al. 6,017,771 01/25/00 Yang et al. 04/27/98 6,036,349 03/14/00 Gombar 07/26/96 03/21/00 10/01/97 6,041,263 Boston et al. 03/21/00 6,041,270 Steffan et al. 12/05/97 6,054,379 04/25/00 Yau et al. 02/11/98 6,064,759 05/16/00 Buckley et al. 11/06/97 6,072,313 06/06/00 Li et al. 06/17/97 6,074,443 06/13/00 Venkatesh et al. 01/29/98 6,077,412 06/20/00 10/30/98 Ting et al. 06/20/00 11/25/96 6,078,845 Friedman 6,094,688 07/25/00 Mellen-Garnett et al. 03/12/98 08/01/00 10/27/97 6,097,887 Hardikar et al. 6,108,092 08/22/00 Sandhu 06/08/99 08/29/00 05/28/97 6,111,634 Pecen et al. 6,112,130 08/29/00 Fukuda et al. 10/01/97 **EXAMINER** DATE CONSIDERED

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET 7720/FPS/MMC		SERIAL NO 10/632,10			
	(=	,		APPLICANT Alexander T.	SCHWARM	et al.	
				FILING DATE August 1, 200	03	GROUP 2812	
		J	J.S. PATENT	DOCUMENTS		1	
EXAMINER'S	DA TIENT NO	D. 75	1		01.400	aun au . aa	FILING
INITIALS	PATENT NO.	DATE	D. 34	NAME	CLASS	SUBCLASS	DATE
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<u> </u>	6,141,660		Cheung et al Bach et al.				03/05/99
	6,143,646	10/31/00	Wetzel				06/03/97
	6,148,099	11/07/00	Lee et al.				07/03/97
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	6,148,246	11/14/00	Kawazome				06/10/98
	6,150,664	11/21/00	Su				06/29/99
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	6,192,291 B1	02/20/01	Kwon				10/08/98
	6,197,604 B1	03/06/01	Miller et al.				10/01/98
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SHEET <u>8</u> OF <u>26</u>

ATTY. DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE 7720/FPS/MMCS/APC 10/632,107 CITATION IN AN APPLICATION (PTO-1449) APPLICANT Alexander T. SCHWARM et al. FILING DATE GROUP August 1, 2003 2812 U.S. PATENT DOCUMENTS **EXAMINER'S** FILING **INITIALS** PATENT NO. DATE NAME **CLASS** SUBCLASS DATE 6,226,792 B1 05/01/01 Goiffon et al. 10/14/98 6,230,069 B1 05/08/01 Campbell et al. 06/26/98 6,236,903 B1 05/22/01 Kim et al. 09/25/98 2001/0001755 A1 05/24/01 Sandhu et al. 12/29/00 6,240,330 B1 05/29/01 Kurtzberg et al. 05/28/97 6,240,331 B1 05/29/01 Yun 08/18/98 2001/0003084 A1 06/07/01 Finarov 12/04/00 6,245,581 B1 06/12/01 Bonser et al. 04/19/00 6,246,972 B1 06/12/01 Klimasauskas 05/27/99 6,249,712 B1 06/19/01 Boiquaye 09/25/96 6,252,412 B1 06/26/01 Talbot et al. 01/08/99 6,253,366 B1 06/26/01 Mutschler, III 03/31/99 07/17/01 6,263,255 B1 Tan et al. 05/18/98 08/07/01 6,271,670 B1 Caffey 02/08/99 6,276,989 B1 08/21/01 Campbell et al. 08/11/99 6,278,899 B1 08/21/01 Piche et al. 10/06/98 6,280,289 B1 08/28/01 Wiswesser et al. 11/02/98 6,284,622 B1 09/04/01 Campbell et al. 10/25/99 6,287,879 B1 09/11/01 Gonzales et al. 08/11/99 6,290,572 B1 09/18/01 Hofmann 03/23/00 6,292,708 B1 09/18/01 Allen et al. 06/11/98 6,298,274 B1 10/02/01 Inoue 09/01/99 6,298,470 B1 10/02/01 Breiner et al. 04/15/99 6,303,395 B1 10/18/01 06/01/99 Nulman 6,304,999 B1 10/18/01 10/23/00 Toprac et al. 2001/0030366 A1 10/18/01 Nakano et al. 03/07/01 10/23/01 6,307,628 B1 Lu et al. 08/18/00 6,314,379 B1 11/06/01 12/04/97 Hu et al. **EXAMINER** DATE CONSIDERED

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SERIAL NO. ATTY. DOCKET NO. INFORMATION DISCLOSURE 7720/FPS/MMCS/APC 10/632,107 CITATION IN AN APPLICATION (PTO-1449) APPLICANT Alexander T. SCHWARM et al. FILING DATE GROUP 2812 August 1, 2003 **U.S. PATENT DOCUMENTS EXAMINER'S** FILING INITIALS PATENT NO. DATE NAME **CLASS SUBCLASS** DATE 2001/0039462 A1 11/08/01 Mendez et al. 04/02/01 2001/0040997 A1 11/15/01 Tsap et al. 05/15/01 Matsushita et al. 6,320,655 B1 11/20/01 03/15/00 2001/0042690 A1 11/22/01 Talieh 12/14/00 2001/0044667 A1 11/22/01 Nakano et al. 05/16/01 6,324,481 B1 11/27/01 Atchison et al. 06/15/99 6,334,807 B1 01/01/02 Lebel et al. 04/30/99 6,336,841 B1 01/08/02 Chang 03/29/01 6,340,602 B1 01/22/02 02/12/01 Johnson et al. 6,345,288 B1 02/05/02 Reed et al. 05/15/00 6,345,315 B1 02/05/02 Mishra 08/12/98 2002/0032499 03/14/02 Wilson et al. 05/04/01 6,360,133 B1 03/19/02 Campbell et al. 06/17/99 6,360,184 B1 03/19/02 03/26/97 Jacquez 6,363,294 B1 03/26/02 Coronel et al. 12/29/98 04/02/02 6,366,934 B1 Cheng et al. 06/02/99 6,368,879 B1 04/09/02 Toprac 09/22/99 6,379,980 B1 04/30/02 Toprac 07/26/00 05/14/02 11/02/00 6,388,253 B1 Su 6,389,491 B1 05/14/02 03/23/99 Jacobson et al. 2002/0058460 A1 05/16/02 Lee et al. 09/14/01 6,395,152 B1 05/28/02 07/02/99 Wang 05/03/99 6,397,114 B1 05/28/02 Eryurek et al. 6,400,162 B1 06/04/02 07/21/00 Mallory et al. 6,405,144 B1 06/11/02 01/18/00 Toprac et al. **EXAMINER** DATE CONSIDERED

SHEET 10 OF 26 SERIAL NO.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)			ATTY. DOCKET NO. 7720/FPS/MMCS/APC		SERIAL NO. 10/632,107		
				APPLICANT Alexander T. SO	CHWARM	l et al.	
				FILING DATE		GROUP	·
				August 1, 2003		2812	
		Ţ	J.S. PATENT D	OCUMENTS			•
EXAMINER'S INITIALS	PATENT NO.	DATE		NAME	CLASS	SUBCLASS	FILING DATE
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